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CPY - KOCS-N

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IN - BYUN J H; KIM C H; PARK C H

MC - L03-C04A L03-D01D

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PA - (KOCS-N) KOREA INST CONSTR TECHNOLOGY

- (KOAD) KOREA ADV INST SCI & TECHNOLOGY

PN - KR306996 B 20010924 DW200233 C09K11/08 000PP

- KR2001026297 A 20010406 DW200166 C09K11/08 001PP

PR - KR19990037549 19990904

XA - C2001-174222

XIC - C09K-011/08

AB - KR2001026297 NOVELTY - A novel fluorescent substance which has an improved luminous efficiency regarding ultraviolet rays near 370 nanometer by modifying a conventional luminous substance of (Ba₂-xSr_x)SiO₄:Eu⁺ is provided.

- DETAILED DESCRIPTION - The fluorescent substance, which uses europium as an activator, is represented by the following formula (1),
(Ba₂-x-y-z- alpha Sr_xEu_yM_zN_{alpha}). In the formula 1, x is 0 at most x at most 2, y is 0.001 at most y at most 0.05, z is 0.001 at most z at most 0.1, alpha is 0 at most alpha at most 0.1, x+y+z+ alpha is 0 at most x+y+z+ alpha at most 2, delta is -0.05 at most delta at most 0.05, M is La, Ce, Pr, Nd, Pm, Sm, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y, Sc, Al, Ga and In and L is Li, Na and K.

- (Dwg.1/10)

IW - SILICATE FLUORESCENT SUBSTANCE LAMP

IKW - SILICATE FLUORESCENT SUBSTANCE LAMP

INW - BYUN J H; KIM C H; PARK C H

NC - 001

OPD - 1999-09-04

ORD - 2001-04-06

PAW - (KOCS-N) KOREA INST CONSTR TECHNOLOGY

- (KOAD) KOREA ADV INST SCI & TECHNOLOGY

TI - Silicate fluorescent substance for lamp